

**Remarks**

Claims 1-4 are pending. Claims 1-4 were rejected. Claims 1-4 are amended. Claims 5-7 are newly added. Support for the new claims can be found at least in the claims are originally filed and additionally at p. 4, middle, and the paragraph bridging p. 14 and 15.

**Amendment to the specification**

Applicant has reviewed and corrected the specification. A marked up copy and a clean copy of the substitute specification are enclosed. No new matter is introduced in the substitute specification.

**Rejections under 35 U.S.C. 112**

Claims 1-4 were rejected under 35 U.S.C. 112, second paragraph, as indefinite. In particular, the Examiner stated that the polymer structure as defined in claims 1 or 2 is indefinite. Claim 1 is amended to clarify that site of attachment of the A and B components of the polymer. Claim 2 is amended to correct a typo on the structure. Applicant believes claims 1 and 2 are now definite.

Claim 3, as amended, does not recite the term "such as." Claim 4 is amended to end with a ". " Claims 3 and 4 are now definite.

**Rejections under 35 U.S.C. 102**

Claim 1 was further rejected as anticipated under 35 U.S.C. 102(b) by U.S. Patent No. 6,103,459 to Diel ("Diel"). In particular, the Examiner alleged that the structure as described at col. 11, line 64 to col. 12, line 23 anticipates claim 1. Applicant respectfully disagrees. The polymer as defined in claim 1 has two independent polymeric units. In contrast, the polymer in Diel has only one polymeric unit where the repeating unit is a metallic complex having an E' position being one of As, Sb, or Bi, two E' positions

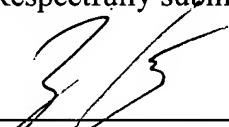
forming a C=C bond, or two E' positions becoming a Pt atom. A polymer as defined in Diel is therefore unrelated to the polymer of claim 1. Claim 1 is therefore allowable over Diel.

Claim 1 was further rejected as anticipated under 35 U.S.C. 102(e) by U.S. Patent No. 6,429,040 to Bao et al. ("Bao"). In particular, the Examiner alleged that the structure as described at col. 3, line 37 to col. 4, line 4 anticipates claim 1. Applicant respectfully disagrees. The polymer as defined in claim 1 has two independent polymeric units. In contrast, the polymer as described in the relevant part of Bao is a polymer or copolymer that includes polythiophene A or A and B repeating units. There is no description of the polymer of claim 1. Claim 1 is therefore allowable over Bao.

Allowance of all the claims is respectfully requested. If the Examiner has any suggestions or amendments to the claims to place the claims in condition for allowance, applicant would prefer a telephone call to Zhaoyang Li for approval of an Examiner's amendment. If the Examiner has any questions or concerns, the Examiner is invited to telephone the undersigned attorney at (415) 393-9885

Date: August 12, 2005  
Squire, Sanders & Dempsey L.L.P.  
One Maritime Plaza, Suite 300  
San Francisco, CA 94111  
Telephone (415) 393-9885  
Facsimile (415) 393-9887

Respectfully submitted,

  
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Zhaoyang Li, Ph.D., Esq.  
Attorney for Applicants  
Reg. No. 46,872